

STORM/HDSPARK Comparison Guide



	STORM 3G Elite	STORM 3G	HDSPARK Pro	HDSTORM PLUS	HDSTORM	HDSPARK
Form factor	BOB	PCIe board	PCIe board	Bay + PCIe board	PCIe board	PCIe board
Host connection	PCI Express x4 or Express card	PCI Express x4	PCI Express x1	PCI Express x1	PCI Express x1	PCI Express x1
Host PC	Desktop/laptop	Desktop	Desktop	Desktop	Desktop	Desktop
Hardware encoder	Yes (HQ)	—	—	Yes (HQ)	Yes (HQ)	—
3G SDI I/O	Yes	Yes	—	—	—	—
10-bit I/O	Yes	Yes	—	—	—	—
1080p50/60 support	Yes (PCI Express x4 only)	Yes	—	—	—	—
Hardware real-time downconversion	Yes	—	—	—	—	—
Full duplex architecture	Yes	Yes	—	—	—	—
Video In						
HD/SD-SDI	2 (3G)	1 (3G)	—	—	—	—
HDMI	1	—	—	1 (Bay 1 or Board 1)	1	—
HD/SD component	1	—	—	1 (common connector with component)	—	—
S-Video	—	—	—	—	—	—
Composite	1	—	—	—	—	—
Video Out						
HD/SD-SDI	2 (3G)	1 (3G)	1	—	—	—
HDMI	1	1	—	1 (Bay 1 or Board 1)	1	1
HD/SD component	1	—	—	1 (common connector with component)	—	—
S-Video	—	—	—	—	—	—
Composite	1	—	—	—	—	—

	STORM 3G Elite	STORM 3G	HDSPARK Pro	HDSTORM PLUS	HDSTORM	HDSPARK
Audio In						
SDI embedded audio	8-channel	8-channel	—	—	—	—
AES/EBU audio	8-channel	—	—	—	—	—
HDMI embedded audio	8-channel	—	—	8-channel	8-channel	—
Balanced audio	4-channel	—	—	—	—	—
Unbalanced audio (RCA pin)	—	—	—	2-channel	—	—
Voiceover in	1 (phantom power available)	—	—	—	—	—
Audio Out						
SDI embedded audio	8-channel	8-channel	8-channel	—	—	—
AES/EBU audio	8-channel	—	2-channel	—	—	—
HDMI embedded audio	8-channel	8-channel	—	8-channel	8-channel	8-channel
Balanced audio	4-channel	—	—	—	—	—
Unbalanced audio (RCA pin)	—	—	2-channel	2-channel	—	2-channel
Monitor audio out	2-channel balanced/ 2-channel unbalanced	—	—	1 (stereo mini jack)	1 (stereo mini jack)	—
Headphone	1	—	—	—	—	—
Others						
REF	1 in/1 loop through/1 out	1 in 2 out (with option)*	—	—	—	—
LTC	1 in/1 out	1 in (Option)	—	—	—	—
RS-422	2	1	—	—	—	—

* Main board has 1 REF input but no output. Optional daughter card has 1 LTC in and 2 REF outs.

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